

INDIRA GANDHI INSTITUTE OF DEVELOPMENT RESEARCH
GOREGAON (EAST), MUMBAI

TENDER DOCUMENT FOR:

Supply, Installation, Testing, and Commissioning of the “Audio Visual (AV) Equipment” at IGIDR

NIT No: IGIDR/Tender/2024-25/CC/06 Date: 14.02.2025

INTRODUCTION

Indira Gandhi Institute of Development Research (IGIDR), Mumbai., invites sealed bids from qualified and experienced vendors to upgrade the Audio-Video System.

IGIDR is dedicated to fostering an innovative and dynamic learning environment, and this project aims to transform our traditional seminar halls and conference rooms into technologically advanced spaces that enhance the overall educational experience.

This project aims to integrate innovative AV technology into our educational infrastructure, fostering a more interactive and engaging learning environment.

The **AV Equipment** includes installing **modern audio-visual equipment, interactive displays, presenter cameras, and other innovative tools that facilitate collaborative learning** and provide our students access to the latest educational resources.

NOTICE INVITING TENDER

NAME OF THE WORK: Supply, Installation, Testing, and Commissioning of AV Equipment at INDIRA GANDHI INSTITUTE OF DEVELOPMENT RESEARCH (IGIDR), GOREGAON, MUMBAI – 400 065.

1. The institute invites sealed bids from reputed vendors for the following work:

Name of work	Period of completion
Supply, Installation, Testing, and Commissioning of the AV Equipment, IGIDR	3 weeks

The tenders are invited from eligible agencies/systems integrators/resellers having relevant experience in the supply installation and configuration **of Audio-Visual Upgrade solutions**. IGIDR reserves the right to award the work to the successful bidder in full or divide the order into parts as per location.

2. Bidder must submit Earnest Money Deposit Rs **1,00,000.00/-** (Rupees one lakh only), along with the bid. Earnest Money Deposit is not applicable for bidders who submit their MSME i.e. Medium to Small Enterprise Certificate.
3. The tender bids in two bid systems are invited through two separate emails to tender@igidr.ac.in: **“Email-1: EMD and Pre-Qualification/Technical Bid ” & “Email-2: Financial bid”**. **The subject of the email should be mentioned as - “Email-1: EMD & Prequalification / Technical Bid for Supply, Installation, Testing, and Commissioning of the AV Equipment at IGIDR” and “Email-2: Financial Bid for Supply, Installation, Testing, and Commissioning of the AV Equipment at IGIDR”** respectively. All the bid documents should be attached as a PDF or zip file, and the financial bid file should be protected with a password.
4. Last date of submission of the Tender document shall be up to **27 February 2025**. No tender will be accepted after **27 February 2025** under any circumstances whatsoever.
5. The Institute reserves the right to reject any prospective application without assigning any reasons whatsoever.

REGISTRAR

SECTION – A:

LETTER OF OFFER*

Date: _____

The Registrar,
Indira Gandhi Institute of Development & Research,
Gen. A.K. Vaidya Marg, Film city Road,
Goregaon (East), Mumbai 400065.

Subject: Supply, Installation, Testing, and Configuration of AV Equipment, IGIDR

Reference: NIT No: IGIDR/Tender/2024-25/CC/06

Date: _____

Dear Sir,

With respect to your tender mentioned above, I / We hereby submit my / our tender in the required format along with Company Profiles and supporting documents.

Should this tender be accepted, I/We hereby agree to abide by and fulfill the terms and provisions of the said Conditions of Contract annexed hereto so far as they may be applicable or in default thereof to forfeit the EMD and pay to the IGIDR the amount mentioned in the said Conditions.

I/We have deposited earnest money through **NEFT/DD/BG/FDR or MSME** certificate to the IGIDR, which will not bear any interest.

Should I/We fail to execute the contract when called upon to do so. I/We do hereby agree that this sum shall be forfeited by me/us to the IGIDR.

I / We have carefully gone through the terms and conditions prescribed, and I / We accept the same without any alterations/modifications.

Yours faithfully,

Name: _____

Company Name: _____

Note:

*It must be printed on company letterhead and scanned or digitally signed pdf document.

SECTION-B:

GENERAL INSTRUCTIONS TO TENDERER

Sealed Tender should be addressed to The Registrar, Indira Gandhi Institute of Development Research, Goregaon (East), Mumbai - 400065.

1. If applicable, Bidder has to submit the Earnest Money Deposit of Rs.1,00,000.00 through DD/FDR/BG/NEFT to “INDIRA GANDHI INSTITUTE OF DEVELOPMENT RESEARCH”, Account No: 010220100010001, IFS Code: BKID0000102, BRANCH NAME: I G I D R, BANK NAME: BANK OF INDIA and UTR NO with a screenshot of the transaction should be included in the part of the tender document towards Earnest Money.
2. A tender not accompanied by EMD (if applicable) will not be considered. The EMD will be returned to the bidder if the Institute does not accept their tender without Interest. The EMD paid by the successful bidder shall be held/encashed by the IGIDR as security for the execution and fulfillment of the contract. No interest shall be paid on this deposit.
3. Bidders exempted from submission of EMD should submit a copy of the certificate issued by **Micro and Small Enterprises (MSEs)**.
4. The tender bids in two bid systems are invited through two separate Emails to tender@igidr.ac.in: “Email-1: Pre-Qualification/Technical Bid” and “Email-2: Financial bid”. The subject of the email should be mentioned as “Email-1: **Prequalification**/Technical Bid for Supply, Installation, Testing and Configuration of AV Equipment at IGIDR” and “Email-2: Financial Bid for Supply, Installation, Testing, and Configuration of AV Equipment at IGIDR,” respectively. All the bid documents should be attached as a PDF or zip file.
5. All the required documents should be scanned and merged into a single PDF file or zipped into a single file and attached to the respective Emails. The Financial bid should be attached as a PDF document protected with a password, and the password should be shared during the financial bid opening through an online meeting. The vendor should keep their password securely with them and be required to give it only when asked in online meetings for financial bid openings. If the bidder can NOT provide the password for the financial bid at the opening, their bid shall be rejected.
6. The bids will be received up to **27 February 2025** (end of the day). Each copy of the tender document is under their stamp and signature. No tender will be accepted after the due date under any circumstances whatsoever.
7. The “ Pre-qualification & Technical “ Bid shall be opened by the tender opening committee on the next working day, **28 February 2025**, at 2:30 PM through the online meeting platform. The link to the meeting will be shared with participating bidders. If the Government declares a holiday on the day of opening the bids, the bids will be opened on the next working day at the same time.
8. “Financial bid” of only qualified bidders will be opened. The date of opening of the financial bid and link for the online meeting shall be informed by the institute to the qualified bidders. The bidders should provide the password of the financial bid PDF file during the opening of the financial bid. If the bidder can NOT provide the password for the financial bid at the opening, their bid shall be rejected.
9. The Tender bid shall remain valid for acceptance by the Institute for a period of three months from the date of opening of the tender, which period may be extended by mutual agreement, and the bidder shall not cancel or withdraw the bid during this period.
10. The bidder must use only the formats issued by the Institute to fill in the rates. Any addition/alteration made by the bidder in the text of the Tender form shall not be valid and shall be treated as null and void.
11. The Tender form must be filled in English. If any documents are missing or unsigned, the Institute may consider the tender invalid at its discretion.

12. Rates should be quoted in figures and words in the specified columns. Overwriting of figures is not permitted. Failure to comply with either of these conditions will render the tender void at the Institute's option. No advice whatsoever, especially on any change in rate specifications after the opening of the tender, will be entertained.
13. Each Page of the Tender Documents should be stamped and signed by the authorized person or persons submitting the Tender in token of his/their having acquainted himself/themselves with the General terms & conditions, specifications, special conditions of the contract, etc., as laid down. Any Tender with any of the documents not so signed will be rejected.
14. The successful bidder must deposit a Performance Security Deposit of 3% of the order value within 30 days of receiving the formal order. The performance security will be furnished as an account payee Demand Draft, FDR or Bank Guarantee from a commercial bank drawn in favour of "The Registrar, Indira Gandhi Institute of Development Research, Mumbai" payable at Mumbai. The performance security should remain valid till the warranty period specified in the tender. This deposit shall be forfeited in case the contractor, who fails to discharge its duties/commitments or whose contract is terminated prematurely. No interest will be paid on the Security Deposit withheld by the Institute.
15. The Institute is not obligated to accept the lowest or any tender. It reserves the right to accept or reject any or all the Tenders, either in whole or in part, without assigning any reasons for doing so.
16. On receipt of intimation from the Institute of the acceptance of their tender, the successful vendor/contractor shall be bound to sign the formal contract /Purchase order and acknowledge it within seven days as applicable.
17. Tender bids must include in their rates applicable GST and any other tax and duty or other levies in force levied by the Central Government or any State Government or Local Authority if applicable and inclusive of all charges.
18. The intending bidder can Visit the institute to survey the classroom/seminar/conference halls and can obtain any clarifications regarding the tender document, scope of work, etc., if any, from the office of the department Computer Centre, Mr. Lingaraj Panda, Email: lingaraj@igidr.ac.in, Tel:69096581/548, Mobile:9967635444 on any Institute`s working day.

I/We hereby declare that I/we have read and understood the above instructions, which will remain binding upon me/us.

Place:

Signature of Bidder

Date:

With the seal of their company

SECTION - C: TERMS AND CONDITIONS

Upon the declaration of an intending vendor/bidder to be the Successful Bidder by the Institute, they shall be subject to the following terms and conditions forming part of the Formal Contract to be executed with the Institute.

1. The successful bidder shall not assign the sub-contract. In case of breach of these conditions, the IGIDR may serve a written notice on the Contractor rescinding the contract.
2. The successful bidder shall carry out all the work strictly according to the scope of work, technical specifications, and detailed instructions of the Institute.
3. The successful bidder must cooperate with the other contractor appointed by the Institute so that the work shall proceed smoothly to the Institute's satisfaction.
4. In all disputes arising from the work, the matter shall be referred to **The Registrar, Indira Gandhi Institute of Development Research, Goregaon**, for a mutual decision.
5. **Arbitration Clause:** If the Successful Bidder is not satisfied by the decision of the Registrar, Indira Gandhi Institute of Development Research, the dispute shall be settled by arbitration in accordance with the provisions of the Arbitration and Conciliation Act, 1996 or any enactment thereof. The Arbitral Tribunal shall consist of one arbitrator appointed by the Institute. The place of arbitration shall be Mumbai, and any award, whether interim or final, shall be made and deemed for all purposes between the parties to be made in Mumbai. The arbitration proceedings shall be conducted in English, and any award or awards shall be rendered in English. The procedural law of the arbitration shall be the Indian law. The arbitral tribunal's award shall be final, conclusive, and binding upon the Successful Bidder and the Institute.

6. Payment Terms:

- I. 50% Payment will be released only after the delivery of equipment. The balance payment is after the successful installation and commissioning of the AV equipment. No advance payment will be made.
- II. Income tax and all other applicable taxes shall be deducted at source as per prevailing Govt—rules in this regard.

7. Delivery & Installation: The items ordered must be delivered, installed, and commissioned within 3 weeks from the date of placing the purchase order on or **before 31 March 2025**. The installation will be considered complete, and the warranty period will commence only when all the hardware, software, etc. components are installed, commissioned, and working satisfactorily.

8. Warranty and Support: Audio video equipment should have a 3-year comprehensive onsite warranty (back-to-back with OEM) from the date of successful installation and commissioning

9. Penalty: If the selected firm fails to deliver the service, a penalty (1% of the project value per week, maximum 5%) to such effect would be charged. IGIDR reserves the right to forfeit the security deposit, if any.

I/We hereby declare that I/we have read and understood the above terms and conditions that form part of the Formal Contract to be executed between I/us and the Institute. The same shall be binding upon me/us upon being declared as the Successful Bidder.

Place:

Signature of Bidder

Date:

With the seal of their company

SECTION - D:

PRE-QUALIFICATION CRITERIA

Pre-Qualification Documents to be submitted by Bidder along with Pre-qualification Bid:

Eligibility for Bidders

The Agencies that fulfil the following requirements shall be eligible to apply:

- a) Copy of Registration of Firm Certificate of Incorporation of company or Partnership deed.
- b) Copy of Registration of Goods & Service Tax and PAN
- c) The bidder should have an average annual turnover of INR 10 CR in the last three financial years. Submit copies of the audited Balance Sheet and Profit & Loss account /CA Certificate for the previous three years.
- d) The bidder should have either the Registered Office or one of the Branch Offices located in the territory region of MMRDA.
- e) Bidder should have at least one CTS, i.e. Certified Technology Specialist (AVIXA) Certified Engineer, on their Payroll working for at least past one year. (Documents are to be submitted for certification, employee profile)
- f) The OEM / their authorized partners should have at least executed a similar volume of works of supply, installation, and maintenance of Audio Visual for the Government (State/ Central/Autonomous) organization/institutes/universities, as on tender submission deadline in last 5 years.
 - i. At least 01 similar work of value not less than Rs. 40 Lakh OR
 - ii. At least 02 similar works of value not less than Rs. 25 Lakh OR
 - iii. At least 03 similar works of value not less than 20 Lakh.

References: An order copy or completion certificate for the project must be provided.

- g) The bidder should not be blacklisted by any Govt. organization /PSU during the last three years. A declaration certificate to this effect is to be submitted as per the format given in Annexure-A.
- h) **Manufacturer authorization:** Wherever System Integrator / Dealers submit the bid, Manufacturers Authorization Form (MAF)/Certificate with OEM details such as name, designation, address, e-mail Id and Phone No. is required to be furnished along with the tender. **MAF from these are must, Displays, Cameras, Control & Media Processor, Microphone, DSP.**

Bidders must submit documentary proof in support of meeting each of the above minimum qualification criteria. A simple undertaking by the bidder for any of the stated criteria will not suffice for the purpose. All documentary proof must be listed on the company's letterhead and submitted along with the qualification bid duly stamped and signed by the agency's authorized person.

Pre-qualification Criteria for OEM:

- a) OEM / Authorized Distributors for AV Equipment hardware must have a direct office and direct on-roll technical support staff in MMRDA territory for immediate support.
- b) OEM / Authorized Distributors for AV hardware and VC software should have established offices in India for more than Three Years. (Valid Certificate of incorporation required).

SECTION - E:

Technical BID

IGIDR is deemed to be a university and an advanced research institute established by the Reserve Bank of India. It is spread across 14 acres of land, and the institute has a small data center (server room).

IGIDR invites quotations from reputed vendors for supply, installation, testing, and support of the upgrade of industry-standard Audio-Video Solutions for hybrid classroom/conference rooms, including lecture capturing for recording the lectures conducted offline and online.

Scope of work:

1) Faculty Lounge

The Faculty Lounge will be equipped with an advanced AV solution to enable seamless collaboration and virtual interactions. A single interactive display with OPS/Mini PC functionality provides a dynamic touch-enabled interface for presentations and collaboration. Integrated with video conferencing software (Zoom, MS Teams, Webex, Google Meet), the system supports flexible virtual meetings. A speaker-tracking camera enhances engagement by automatically focusing on active speakers. A speakerphone with built-in microphones and an expansion speakerphone ensures clear, room-wide audio coverage. HDMI and USB connection on main table allow for effortless device connectivity, while a USB switcher enables switching between peripherals like the OPS module and laptops, ensuring streamlined operation. Wireless conference System with button .

Proposed AV Equipment:

Display & Video System:

- 86-inch Interactive Display with OPS/Mini PC for intuitive presentations.
- Compatible with Zoom, MS Teams, Webex, and Google Meet for seamless virtual meetings.
- Speaker Tracking Camera for automatic framing of active speakers.

Audio System:

- Speakerphone with Built-in Microphones & Speaker for clear audio capture.
- Expansion Speakerphone for extended audio coverage and uniform sound distribution.

Connectivity & Control:

- USB Switcher and Hub to toggle the Host between display OPS and laptop.
- Wireless Conference System with a dongle for easy screen sharing.

2) Seminar Hall

Audio System Requirements

The audio system should have intelligent features to ensure seamless sound transmission for virtual participants, eliminating echo and noise. It must also deliver crystal-clear far-end audio in the classroom without introducing any disturbances. Additionally, the system should prevent far-end audio from being retransmitted into the classroom, ensuring a smooth and distraction-free learning experience.

Recording & Streaming Setup

The system should be configured to capture and record lectures, integrating multiple views, including:

- **Interactive Board**
- **Presenter Camera**
- **Audience/Participants Camera**

The recordings should be stored either on an attached storage device connected to the switcher or an inbuilt SSD in the media processor. The system should be fully compatible with platforms such as Zoom, Microsoft Teams, and Webex for online classes, as well as live streaming platforms for broadcasting. Additionally, the setup should support operation via an iPad or display panel.

Classroom & Conference Mode Functionality

The system should allow users to switch between different modes:

1. **Movie Mode** – Enables connectivity with a projector or a **98-inch display** for movie screenings.
2. **Conference/Classroom Mode** – Adapts the system for conferences or classroom sessions.

Classroom Mode Features:

- The **screen presentation, audience view, and presenter view** will be recorded and stored on the streamer's internal disk.
- The **podium display and the 98-inch screen** will mirror content in both directions:
 - Whatever the teacher writes on the **podium display** will be shown on the **98-inch screen**.
 - Conversely, content written on the **98-inch screen** can be replicated on the **podium display**.
- **During virtual training/conference**, remote participants will have a simultaneous view of the **presenter, audience, and shared screen**.
- The system should support **recording** of on-screen content, and when the **streaming button** is pressed, the session should be live streamed seamlessly.
- The Presenter shall have control on the touch panel to choose different layouts for recording/streaming

This setup ensures an interactive, high-quality learning and conferencing experience.

The Proposed AV equipment :

Digital podium:

A new digital podium with matching colour to the existing ambience furniture (table) OR Convert the existing podium to a digital podium with all connectivity ports on top, like HDMI and USB, to connect the pen drive and laptop for collaboration. The rack may be made in the existing podium to place the equipment, or a separate floor rack must be provided to keep the equipment in the rack, and all the required connection cables will be from the rack.

Display & Video System:

- 98-inch Interactive Display with OPS/Mini PC for interactive presentations.
- 21.5/24-inch Touch Display at the podium for content annotation and control.
- Fully compatible with Zoom, MS Teams, Webex, and Google Meet for seamless virtual collaboration.

Camera System:

- Teacher Tracking Camera for auto-framing and movement tracking.
- Audience Camera with Gesture Tracking for intelligent audience engagement.

Advanced Audio System:

- **Wall-Mounted Column Speakers.**

Use existing JBL surround speaker, subwoofer and existing 7.1 channel Extron processor for movie viewing and include wall-mounted column array speakers with amplifier for video conferencing audio reinforcement.

- **Digital Signal Processor (DSP)** for superior sound clarity and echo cancellation.
- **Microphone System:**
 1. **1x Head-worn Microphones (wireless)**
 2. **2 x Handheld Microphones (wireless)**
 3. **Gooseneck /conference Microphone** at the podium for clear speech capture.

Collaboration & Control:

- **Control System with Touch Panel** for centralized AV operation.
- **HDMI & USB Switchers** for seamless source switching (OPS/Mini PC & laptop).
- **AV Network Switch with PoE** for efficient AV device connectivity.
- **Switcher / Media Processor** with:
 1. **Recording & Live Streaming** capabilities.
 2. **Multi-view functionality** for dynamic content presentation.

3) Conference Hall

Conference Hall – AV Implementation

In the initial phase, the **Conference Room** will be equipped with essential AV components to facilitate **video conferencing and presentations** while utilizing the existing audio and Control system.

Proposed Equipment :

- **98-inch Display** for high-quality content sharing and presentations.
- **12x Optical Zoom or higher Speaker Tracking Camera** for capturing meeting participants with clear image quality.
- **USB Switcher and Hub** for seamless laptop integration, allowing access to the room's camera, Touch display feedback and audio system.
- **Existing audio and control Systems will be utilized for voice pickup and playback during meetings, as well as for controlling** existing equipment with necessary cable and connectors.

The project involves providing, installing, testing, commissioning, and training Upgraded Audio-Video equipment in locations: Indira Gandhi Institute of Development Research's Faculty Lounge, Conference Hall and Seminar Hall 1. The assignment will be carried out on a Turnkey basis, and the successful Bidder's OEM will be responsible for providing the onsite warranty. Additionally, the successful Bidder is required to conduct user and operational training on-site for the staff of IGIDR, including both the IT team and the faculties.

The successful execution of this project will significantly enhance the capabilities of the Faculty Lounge, Seminar Hall 1 and Conference Hall at IGIDR, providing them with state-of-the-art Virtual Classroom/Conference facilities for an optimal learning and teaching experience.

Our objective is to convert these rooms into smart spaces like hybrid class/conference rooms. These upgraded rooms will cater to both the presence of the Teacher/Training Officer and trainees/students within the physical space, while also enabling connections to other rooms where trainees are physically present or where the Training Officer conducts remote teaching across all classrooms. The responsibility for cable laying concerning the Camera, Mic and Speakers, and Interactive Panels etc will be under the scope of work for the Bidder/OEM.

The Bidder will be responsible for providing all necessary materials, including required cables and connectors, during the installation at the same cost as per the Purchase Order (PO) value. No commercial revisions will be allowed under any circumstances. If the Bidder fails to complete the project or any discrepancies, manipulations, or deviations are found during the pre-installation inspection, the evaluation will be based on the originally bid Bill of Materials (BOM) and supplied materials.

The Bidder's responsibility includes successfully supplying, installing, testing, commissioning, training, and handing over the project within the specified time limit.

The supply, installation, and commissioning of the AV Equipment at the Institute locations will be inspected by the appointed Committee to ensure compliance with the Product Specifications outlined in the Contract.

The Supplier must submit all relevant equipment factory test certificates, inspection reports, delivery Challan, product catalog, operation and maintenance manuals, and warranty certificates (where applicable) to the Institute. The Institute will issue an acceptance certificate after getting handover of the project (Equipment after inspection and certification of the installation, testing, commissioning, and training, along with the certification report by the Third-party/consultant appointed by IGIDR.

Evaluation of Bids

IGIDR will evaluate the bid submitted by the bidders under this BID. A committee and the consultant appointed by the IGIDR will evaluate the Bid. (IGIDR may engage the services of an external consultant to evaluate the bid) It is IGIDR's discretion to decide at the relevant point of time.

Technical Proposal:

The Technical Proposal submitted by the bidders will be evaluated based on documents submitted against this BID and IGIDR will seek clarification, if required.

- The technical proposal evaluation will be for technical evaluation parameters as per Annexure-D and necessary clauses as mentioned in this document.

- Based on the evaluation as per Annexure-D, each bidder will be given certain marks. Only those bidders scoring a minimum of 70% and, complying with Scope of Work and Technical and Functional Requirements, and fulfilling other terms & conditions of this BID will be declared as technically qualified bidders.

Financial Bid: Only those bidders who qualified in the Technical bid evaluation will be opened and evaluated.

1) Technical Specifications for the equipment in the Faculty Lounge.

Sr. No.	Product	Specifications	Compliance	Remarks
1	86-inch Interactive Flat Panel	Supply, Installation, Testing and Commissioning of Interactive display featuring an 86" or higher IPS panel with a 16:9 aspect ratio, 4K UHD (3840 x 2160) resolution at 60Hz, a minimum brightness of 400 nits, a contrast ratio of 1200:1 or higher, a 178° viewing angle, and an 8ms or better response time. It supports IR Recognition/P-Cap touch technology with 20 touch points or more, a minimum of 2x HDMI inputs, 1x HDMI Out, USB Type A (USB 3.0 x 4, USB 2.0 x 2), USB Type B x 2, USB Type C x 1, and an OPS slot. Additional features include 15W x 2 speakers, BIS, RoHS, and CE certifications, whiteboard software with handwriting recognition and cloud storage integration (Google Drive, OneDrive, Dropbox), and wireless screen sharing support.		
2	OPS/ Mini PC with Wireless Keyboard mouse and Pointer	Supply, Installation, Testing and Commissioning of OPS (Open Pluggable Specification) for Interactive Flat Panel with Minimum intel Core i5, 11th Gen, 8 GB DDR4 RAM, 512GB SSD, 5G Wi-Fi, Bluetooth, Mic, Earphone, LAN, HDMI, USB 3.0, HDD Slot, 3 Years Warranty. OR Small form factor NUC PC with configuration of i5, 8GB Ram, 500GB SSD, wireless Keyboard & Mouse with Presentation Pointer.		
3	12x PTZ Speaker Tracking Camera	Supply, Installation, Testing and Commissioning of PTZ camera. The camera must feature audio and presentation tracking with AI-based auto-framing, dynamic participant detection, and gesture control. It must support simultaneous 3-way output via USB, HDMI, and IP with virtual streaming over RJ45. The Sony 4K EXMOR sensor should ensure crystal-clear images with 90° DFOV and auto-focus. It should include Pan: ±170°, Tilt: +90°/-30°, 10+ camera presets, RTSP/RTMP streaming, and H.264 compression. The system must integrate with ceiling microphones for audio tracking and support VISCA over IP, RS232, and WebUI access. BIS, CE, RoHS, MS Teams, and Zoom-certified.		
4	Wireless & USB Conference Speakerphone	Supply, Installation, Testing and Commissioning of Speakerphone. The speakerphone must support both Bluetooth (v5.0) and USB wired connections for PC. It must feature a full-duplex microphone array with echo cancellation, two omnidirectional microphones for 360° pickup, and advanced noise suppression with wideband voice processing. Speaker		

		volume must be adjustable up to 90dB SPL at 0.5m. It should include 3.5mm line-in (AUX) and line-out ports, touch controls for volume, mute, and call management, and phone-USB call bridging. Bluetooth range: up to 20m, supporting A2DP, Hands-Free, and Headset profiles. Must store 8 paired devices and connect 2 simultaneously. Kensington lock slot included.		
5	Expansion Speakerphone	Supply, Installation, Testing and Commissioning of expansion speakerphone. The device must support a microphone frequency response of 120Hz–16kHz with a sensitivity of -34±2 dBV @1KHz, 94dBSPL, and distortion below 1% from 150Hz. It should provide a microphone pickup range of 6m in diameter. The speaker must have an adjustable volume up to 90dB SPL at 0.5m, a frequency response of 180Hz–20KHz, and a sensitivity of 81±2dBSPL@1W/1m. Speaker distortion must be <20% (120Hz–200Hz), <10% (201Hz–500Hz), and <2% (501Hz–10KHz), Microsoft Teams, and Zoom certified.		
6	USB Switcher/USB Hub	Supply, Installation, Testing and Commissioning of 4x4 USB 3.2 Gen 1 industrial hub switch that enables four computers to share four USB devices, featuring remote port selection via controller or RS-422/RS-485 link, and supports DC 9-24V power input.		
7	Wireless Presentation and conferencing	Supply, Installation, Testing and Commissioning of Full HD (1080p) wireless presentation device with HDMI input/output. Features AES-128 encryption for secure transmission. Plug-and-play design with no software installation required. and should come with a Dongle for connecting to the Laptop/PC for wireless BYOD.		

2) Technical Specifications for the equipment in the Conference Hall.

Sr. No.	Product	Specifications	Compliance	Remarks
1	98-inch Interactive Flat Panel	Supply, Installation, Testing and Commissioning of Interactive Display. Screen size of 98-inch or higher IPS display with a 16:9 aspect ratio, 4K UHD (3840 x 2160) resolution at 60Hz, a minimum brightness of 400 nits, a contrast ratio of 1200:1 or higher, a 178° viewing angle, and an 8ms or better response time. It supports IR Recognition/P-Cap touch technology with 20 or more touch points and offers multiple connectivity options, including 2 HDMI inputs, 1 x HDMI OUT USB Type A (USB 3.0 x 4, USB 2.0 x 2), USB Type B x 2, USB Type C x 1, and an OPS slot. Touch Pen Type Passive Pen with Magnet x 2. The unit includes 10W x 2 or higher speakers, is BIS, RoHS, and CE certified, and comes with whiteboard software featuring handwriting recognition along with wireless screen-sharing support.		
2	OPS/Mini PC with Wireless Keyboard	Supply, Installation, Testing and Commissioning of OPS (Open Pluggable Specification) for Interactive Flat Panel with Minimum intel Core i5, 11th Gen, 8 GB DDR4 RAM, 512GB SSD, 5G Wi-Fi, Bluetooth, Mic, Earphone, LAN, HDMI, USB 3.0, HDD Slot, 3 Years		

	mouse and Pointer	Warranty. OR Small form factor NUC PC with configuration of i5, 8GB Ram, 500GB SSD, wireless Keyboard & Mouse with Presentation Pointer.		
3	12x PTZ Speaker Tracking Camera	Supply, Installation, Testing and Commissioning of PTZ camera. The camera must feature a 12x optical zoom or higher with 4K resolution (3840x2160), auto-tracking, and AI-based speaker detection for seamless video conferencing. It should support pan, tilt, and zoom (PTZ) functionality, HDMI, USB, and IP streaming outputs, low-latency video transmission, and PoE (Power over Ethernet). Compatibility with video conferencing platforms and remote control via web interface or RS232/RS485 is required. BIS, CE, RoHS, MS Teams, and Zoom-certified are preferred.		
4	USB Switcher/USB Hub	Supply, Installation, Testing and Commissioning of 4x4 USB 3.2 Gen 1 industrial hub switch that enables four computers to share four USB devices, featuring remote port selection via controller or RS-422/RS-485 link, and supports DC 9-24V power input.		

3) Technical Specifications for the equipment in the Seminar Hall 1.

Sr. No.	Product	Specifications	Compliance	Remarks
1	98-inch Interactive Flat Panel	Supply, Installation, Testing and Commissioning of Interactive Display. Screen size of 98-inch or higher IPS display with a 16:9 aspect ratio, 4K UHD (3840 x 2160) resolution at 60Hz, a minimum brightness of 400 nits, a contrast ratio of 1200:1 or higher, a 178° viewing angle, and an 8ms or better response time. It supports IR Recognition/P-Cap touch technology with 20 or more touch points and offers multiple connectivity options, including 2 HDMI inputs, 1 x HDMI OUT USB Type A (USB 3.0 x 4, USB 2.0 x 2), USB Type B x 2, USB Type C x 1, and an OPS slot. Touch Pen Type Passive Pen with Magnet x 2. The unit includes 10W x 2 or higher speakers, is BIS, RoHS, and CE certified, and comes with whiteboard software featuring handwriting recognition along with wireless screen-sharing support.		
2	OPS /Mini PC with Wireless Keyboard mouse and Pointer	Supply, Installation, Testing and Commissioning of OPS (Open Pluggable Specification) for Interactive Flat Panel with Minimum intel Core i5, 11th Gen, 8 GB DDR4 RAM, 512GB SSD, 5G Wi-Fi, Bluetooth, Mic, Earphone, LAN, HDMI, USB 3.0, HDD Slot, 3 Years Warranty. OR Small form factor NUC PC with configuration of i5, 8GB Ram, 500GB SSD, wireless Keyboard & Mouse with Presentation Pointer.		

3	12x PTZ Presenter Tracking Camera	Supply, Installation, Testing and Commissioning of AI based Full HD AI-powered auto-tracking PTZ camera. It features a 12x optical zoom lens with a 72.5° horizontal field of view, delivering 1080p60 resolution video output simultaneously via HDMI, USB-B, and IP streaming. Advanced gesture control allows users to switch tracking targets seamlessly. Camera should support Everywhere Tracking, Partition Tracking, Auto Framing & Gesture Control. Should support PoE and Virtual USB Driver. OEM should be CE, FCC, RoHS & BIS Certified		
4	20x PTZ Audience Camera	Supply, Installation, Testing & Commissioning of AI-based Full HD 1080p @ 60fps Student Tracking PTZ Camera with Dual Camera-one PTZ Camera for Student Tracking and a second fixed lens Panoramic Camera. PTZ Student Camera should support a minimum of 20X Optical Zoom and 12x Digital Zoom with a Panning range of +170 deg to - 170 deg and a Tilt Range of -30 to +90 Degrees, The Field of View for PTZ Camera should be min 58 Degrees and for Panoramic Camera min. 100 Degree, camera should support simultaneous outputs through HDMI, 3G-SDI, USB 3.0 and IP with 1x Audio In and can be controlled via RS232 and IP. It should support multiple video streams. The tracking Camera should support Everywhere Tracking & Auto Framing. Should support PoE and Virtual USB Driver. OEM should be CE, FCC, RoHS & BIS Certified		
5	USB Switcher/USB Hub	Supply, Installation, Testing and Commissioning of 4x4 USB 3.2 Gen 1 industrial hub switch that enables four computers to share four USB devices, featuring remote port selection via controller or RS-422/RS-485 link, and supports DC 9-24V power input.		
6	Camera Mixer or multi-viewer	Supply, Installation, Testing and Commissioning of 2x1 HDMI Multiviewer. Inputs and output support HD resolutions up to 1080p60 and PC resolutions up to WUXGA (RB), Supports audio pass-through of 7.1 channel LPCM sources via HDMI, Balanced analog stereo audio extraction support via 5-pin terminal block (LPCM 2.0 sources only), Supports PiP (Picture-in-Picture), Side-by-Side, and free positioning window modes.		
7	HDMI to USB Capture Device	Supply, installation, testing, and commissioning of an HDMI to USB 3.0 video converter supporting up to 4K UHD (18Gbps, 4K@60Hz 4:4:4). It streams 1080p video/audio to a USB-connected PC, auto-scales 4K to 1080p, stabilizes video timing, and captures stereo audio via HDMI		
8	Recording and Streaming Hardware	Supply, Installation, Testing & Commissioning of Recording, Streaming & Webcasting Hardware simultaneously, Built-in 4x HDMI & IP Inputs with 4x Line Inputs, 2x HDMI Outputs. The system should be capable to record upto any four inputs simultaneously in a single frame and as well as individual sources simultaneously. Should have minimum 1TB inbuilt storage and		

		can be connected to local NAS storage. The system should be able to support minimum 3 unicast streams. The recorded files should have the option of time and date stamp. OEM should be CE, FCC & RoHS Certified.		
9	HDMI Switcher	Supply, Installation, Testing & Commissioning of 4K 4x4 Matrix with Audio Output, 2x Stereo Audio output, Control port : 1x LAN RJ45 and 1x 1 RS-232. Should have HDMI 2.0, HDCP 2.2 compliance, Should have DVI 1.0 compliant with the use of an HDMI to DVI adapter, Input Signal 4096x2160p@60 8-bit YUV 4:4:4 HDR 10, Output Signal 4096x2160p@60 8-bit YUV 4:4:4 HDR 10, should supports 16-bit Deep Color up to 1080p60, Should support pass-through of LPCM (up to 8 channels), Should have high quality DAC, EDID Management. Product should be CE & FCC Certified.		
10	HDMI Splitter	Supply, Installation, Testing & Commissioning of 4K60 UHD HDMI splitting and distributing a single HDMI input to 2 HDMI outputs. Input and output Signal Types 4K@60 8bit YUV 4:4:4, HDR 10 or higher. HDCP Compliance: 2.2 . Support for Automatic 4K to 1080p down-scaling and color space conversion (4:4:4 to 4:2:0) for each independent output based on each connected display's EDID. Digital Audio Format:HDMI LPCM(8 Channels), Bitstream, HD Bitstream.		
11	HDMI Extender	Supply, Installation, Testing & Commissioning of HDMI TX/RX extender with 3D, 4Kx2K support, HDCP and DVI compliant Complies with the HDBaseT technology. Supports HDMI (including HDCP) over a single CAT5e/6 up to 60m. Full HD resolution support (1080p@60Hz/36-bit), 3D and 4Kx2K over 40m and PC resolution support (VGA to WUXGA) over CAT5e/6 cable. HDMI input up to 15m with 8-bit resolution or 10 m with 12-bit resolution. HDMI output up to 15 m with 8/12-bit resolution . Multiple control interfaces such as RS-232 with baud rate up to 115200/sec and IR. Supports HDCP repeater and CEC bypass. Supports High Definition LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio transmission.		
12	Control System	Supply, Installation, Testing & Commissioning of hardware or software-based control system to control the Room components as per requirement. It should have the option to create and integrate a custom user interface for control & enable third-party device control via Ethernet, RS232, GPIO, and IR. It should allow a user to create customizable buttons, animated page transitions, and custom graphics, including backgrounds, corporate logos, system diagrams, etc. it should allow connecting Wall/Table mount Touch Panels or iOS/Windows devices as touch panels for control. The hardware or software-based control system should not have any limit on no. of devices to be used as Touch Controller. It shall allow the use of third-party control modules/Plug-ins and custom scripts to control the devices. It shall allow open-source scripting language for writing custom scripts.		

13	Touch Monitor	Supply, installation, testing, and commissioning of a 21.5/24" Full HD interactive touch display featuring a 10-point PCAP touchscreen with palm rejection. It supports USB-C connectivity for power, video, and touch via a single cable. The adjustable ergonomic stand enables tilt and height adjustment		
14	Wireless Access Point	Supply, installation, testing, and commissioning of high-performance WiFi 6 access point designed for small and medium-sized businesses. Key specifications include: WiFi Standard: WiFi 6 (802.11ax) Dual-Band Throughput: Up to 3 Gbps total; 2.4 GHz band at 600 Mbps and 5 GHz band at 2400 Mbps		
15	Network Switch	Supply, Installation, Testing & Commissioning of 16-port or more Gigabit Ethernet PoE+ Network switch.		
16	Touch Panel with Mount	Supply, installation, testing, and commissioning of a Touch Panel /IPAD with a minimum 10-inch diagonal screen size with the necessary mounting kit.		
17	Digital Signal Processor	Supply, Installation, Testing & Commissioning of Digital Signal Processor with minimum 8 Mic/Line inputs, 8 Line outputs with advanced AEC (minimum 16 channel) and AES67 protocol. It shall also support USB Audio channels via USB ports supporting AV USB for software or web-based conferencing applications. It should also have seamless third-party control integration.		
18	Column Speaker	Supply, Installation, Testing & Commissioning of 8-driver column surface-mount loudspeaker with 70V/100V transformer and 8Ω bypass mode, delivering 40W RMS or more power handling. It must feature wide 105° horizontal coverage, weather-resistant enclosure (IP-54 rated), and include mounting hardware for flexible installation. The speakers should be considered to cover the room and 100-seat capacity.		
19	Amplifier	Supply, Installation, Testing & Commissioning of 2-channel, energy-efficient Class-D amplifier delivering 200W per channel at 4Ω/8Ω or bridged 400W at 8Ω. It must support low-impedance and 70V/100V distributed audio systems, feature XLR and Euroblock inputs, automatic standby mode, and convection cooling for silent operation. Rack-mountable with universal power supply.		

20	Wireless Handheld mic	UHF transmission (470-952 MHz) with selectable frequencies for interference-free operation. It must support True Diversity reception, low-latency audio, and 24-bit digital transmission for clear sound. A cardioid or supercardioid dynamic capsule ensures feedback rejection. The receiver should offer XLR and 1/4" outputs, a 100m+ range, rechargeable or AA battery operation (8+ hours), and robust metal construction.		
21	Wireless Lapel Mic	Supply, Installation, Testing & Commissioning of Wireless Bodypack transmitter with condenser type omni-directional clip-on microphone, Sensitivity: 20 mV/Pa, Maximum sound pressure level: 130 dB, supports 256 bit AES encryption, Frequency range : 1,880 to 1,900 MHz, Frequency response: 20 to 20,000 Hz, Signal-to-noise ratio: > 90 dB(A), Dynamic range: > 120 dB(A), Sampling rates: 24 bit/48 kHz, RF output power : up to 80 mW or more, Automatic frequency and interference management, operating time: 15 hour. It should be remotely controlled with centralized software.		
22	Gooseneck Mic	Supply, Installation, Testing & Commissioning of Wired, 18 inch Gooseneck mic with push to talk, and push mute f=switch, programmable logic function can be achieved, freq response - 50 to 17,000 Hz, output impedance - 150 Ohms, Max SPL - 123 dB, signal to noise ratio - 65 dB, power requirement - 11 to 52 Vdc phantom, 2.0 mA.		
23	AV Rack	Supply, Installation, Testing & Commissioning of AV rack shall be 600mm (W) x 600mm (D), 19-inch standard, floor-standing, with 19U/21U height options. It shall feature ventilated front and rear doors, removable side panels, adjustable mounting rails, cable management, built-in cooling fans, and lockable doors for security. Durable steel construction with a black powder-coated finish.		

BILL OF MATERIALS:

- Bidder has to submit their Line diagram as per the required solution, with all the required cables, connector and quantity. If any parts are required as per the required solution, they should include the same in line item
- Please submit a separate BOM with all the parts and with make, model, part number, and Product Datasheet and line diagram

A. (Faculty Lounge)

Bill of Materials for Faculty Lounge:

Note: Kindly refer '1) Technical Specifications for the equipment in the Faculty Lounge.' for this bill of materials

Sr. No.	Description	Qty	UoM	Proposed Make	Proposed Model	Part Code
1	86 Inch Interactive Display with OPS/Mini PC Preferred Makes LG/ViewSonic/BenQ Wall Mount for Interactive Display	1	Qty			
2	Wireless Keyboard & Mouse with Spotlight Pointer Preferred Makes: Logitech/Lenovo/Dell	1	Qty			
3	4K PTZ 12x Optical zoom Speaker Tracking Camera Preferred Makes: Aver/Vaddio/Sony/Lumens	1	Qty			
4	Conference Speakerphone Preferred Makes: Aver/Jabra/clearone	1	Qty			
5	Expansion Speakerphone Preferred Makes: Aver/Jabra/clearone	1	Qty			
6	USB Switcher and Hub Preferred Makes: Aten/Inogeni/Startech/clearone	1	Qty			
7	Wireless conferencing/BYOD device Preferred Makes: Crestron/BenQ/Barco	1	Qty			
8	Bulk Cables and Connectors Preferred Makes: Aten/Extron/Kramer	1	Lot			
9	Installation, Commission and Training	1	Lot			

B. (Seminar Hall 1)

Bill of Materials for Seminar Hall 1:

Note: Kindly refer '3) Technical Specifications for the equipment in the Seminar Hall 1.' for this bill of materials

Sr. No.	Description	Qty	UoM	Proposed Make	Proposed Model	Part Code
1	98 Inch Interactive Display with OPS/Mini PC Preferred Makes: LG/ViewSonic/BenQ Wall Mount for Interactive Display	1	Qty			
2	12x Presenter Tracking PTZ Camera with Mounting kit Preferred Makes: Panasonic/Lumens/Sony/Vaddio	1	Qty			
3	20 x PTZ Audience Camera with Mounting kit Preferred Makes: Panasonic/Lumens/Sony/vaddio	1	Qty			
4	Recording and Streaming device Preferred Makes: MediaSite/MediaPoint/Lumens/Datavideo	1	Qty			
5	Column array Speaker Preferred Makes: QSC/Fohhn/Audac/Bose	Min 2 or more as per room area	Qty			

6	Dual-channel amplifier Preferred Makes: QSC/Audac/Bose/Creston	1	Qty			
7	Digital Signal Processor Preferred Makes: QSC/Biamp/Symmetrix/Xilica	1	Qty			
8	Hardware or software-based control system Preferred Makes: Crestron/QSC/Extron	1	Qty			
9	Digital Wireless handheld microphone Preferred Makes: Sennheiser/Shure/ DPA/Clock Audio	2	Qty			
10	Digital Wireless Lapel Microphone Preferred Makes: Sennheiser/Shure/ DPA/Clock Audio	1	Qty			
11	Gooseneck Microphone Preferred Makes: Sennheiser/ Shure /DPA/Clock Audio	1	Qty			
	Choose whatever is required for connectivity as per the scope of work with the necessary quantity as per the proposed solution.					
12	Digital /smart podium: Or modify the existing podium to make it a digital podium with the necessary connectivity and keep the AV equipment	1	Qty			
13	Touch Monitor Preferred Makes: BenQ/Viewsonic/LG	1	Qty			
14	Wireless Keyboard & Mouse with Spotlight Pointer Preferred Makes: Logitech/Lenovo/Dell	1	Qty			
15	HDMI Switcher 4x4 Preferred Makes: Lightware/Kramer/Crestron/Extron	1	Qty			
16	USB capture card Preferred Makes: Extron/Cypress/Crestron/ Kramer	1	Qty			
17	HDMI Distribution Amplifier Preferred Makes: Crestron/Cypress/Extron/ Kramer	2	Qty			
18	HDMI Extender Pair over CAT cable Preferred Makes: Crestron/Cypress/Extron/Kramer	3	Qty			
19	USB Switcher and Hub Preferred Makes: Crestron/Cypress/Extron/Clearone/kramer	1	Qty			
20	Touch Panel with mount Preferred Makes: Crestron/Extron/Apple	1	Qty			
21	Wireless Access Point Preferred Makes: Netgear/Cisco/Aruba	1	Qty			
22	PoE+ Network Switch Preferred Makes: Netgear/Cisco/Aruba	1	Qty			

23	AV Rack Preferred Makes: WQ/Middle-Atlantic/Valrack	1	Qty			
24	Multiwindowing Processor MediaSite/MediaPoint/Lumens/AMX/Datavideo	1	Qty			
25	HDMI, USB and other AV cables Preferred Makes: Aten/Extron/Kramer	1	Lot			
26	Bulk cables and connectors like Speaker cables, Mic cables, Control, Audio cables, CAT cables,etc Preferred Makes: Belden/CommScope/Klotz/Extron/kramer	1	Lot			
27	Installation, Commission, Programming and Training	1	Lot			

C. (Conference Hall)

Bill of Materials for Conference Hall:

Note: Kindly refer '2) Technical Specifications for the equipment in the Conference Hall.' for this bill of materials

Sr. No.	Description	Qty	UoM	Proposed Make	Proposed Model	Part Code
1	98 Inch Interactive Display with OPS/ Mini PC Preferred Makes: LG/ViewSonic/BenQ Wall Mount for Interactive Display	1	Qty			
2	Wireless Keyboard & Mouse with Spotlight Pointer Preferred Makes: Logitech/Lenovo/Dell	1	Qty			
3	4K PTZ 12x Optical zoom Speaker Tracking Camera Preferred Makes: Aver/Vaddio/Sony/Lumens/Panasonic	1	Qty			
4	USB Switcher and Hub Preferred Makes: Aten/Inogeni/Startech/clearone	1	Qty			
5	Bulk Cables and Connectors Preferred Makes: Aten/Extron/Kramer	1	Lot			
6	Installation, Commission and Training	1	Lot			

SECTION – G: Financial BID

(To be submitted on company/firm letterhead)

Schedule of RATES (NIT No: IGIDR/Tender/2024-25/CC/06)

A. (Faculty Lounge)

Bill of Materials for Faculty Lounge

Note: Kindly refer '1) Technical Specifications for the equipment in the Faculty Lounge.' for this bill of materials

Sr. No.	Description	Qty	UoM	Unit Price	Tax in %	Total with Tax
1	86 Inch Interactive Display with OPS/Mini PC Wall Mount for Interactive Display	1	Qty			
2	Wireless Keyboard & Mouse with Spotlight Pointer	1	Qty			
3	4K PTZ 12x Optical zoom Speaker Tracking Camera	1	Qty			
4	Conference Speakerphone	1	Qty			
5	Expansion Speakerphone	1	Qty			
6	USB Switcher and Hub	1	Qty			
7	Wireless conferencing/BYOD device	1	Qty			
8	Bulk Cables and Connectors	1	Lot			
9	Installation, Commission and Training	1	Lot			
	TOTAL (A)					

B. (Seminar Hall 1)

Bill of Materials for Seminar Hall 1:

Note: Kindly refer '3) Technical Specifications for the equipment in the Seminar Hall 1.' for this bill of materials

Sr. No.	Description	Qty	UoM	Unit Price	Tax in %	Total with Tax
1	98 Inch Interactive Display with OPS Preferred Makes: Wall Mount for Interactive Display	1	Qty			
2	12x Presenter Tracking PTZ Camera with Mounting kit	1	Qty			
3	20 x PTZ Audience Camera with Mounting kit	1	Qty			

4	Recording and Streaming device	1	Qty			
5	Column Array Speakers	4	Qty			
6	Dual-channel amplifier Audio	1	Qty			
7	Digital Signal Processor	1	Qty			
8	Hardware or software-based control system	1	Qty			
9	Digital Wireless handheld microphone	2	Qty			
10	Digital Wireless Lapel Microphone	1	Qty			
11	Gooseneck Microphone	1	Qty			
	Choose whatever is required for connectivity as per the scope of work with the necessary quantity as per the proposed solution.					
12	Digital podium: Or modify the existing podium to make it a digital podium with the necessary connectivity and keep the AV equipment	1	Qty			
13	Touch Monitor	1	Qty			
14	Wireless Keyboard & Mouse with Spotlight Pointer	1	Qty			
15	HDMI Switcher 4x4	1	Qty			
16	USB capture card	1	Qty			
17	HDMI Distribution Amplifier	2	Qty			
18	HDMI Extender Pair over CAT cable	3	Qty			
19	USB Switcher and Hub	1	Qty			
20	Touch Panel with mount	1	Qty			
21	Wireless Access Point	1	Qty			
22	PoE+ Network Switch	1	Qty			

23	AV Rack	1	Qty			
24	Multiwindowing Processor	1	Qty			
25	HDMI, USB and other AV cables	1	Lot			
26	Bulk cables and connectors like Speaker cables, Mic cables, Control, Audio cables, CAT cables,etc	1	Lot			
27	Installation, Commission, Programming and Training	1	Lot			
	TOTAL (B)					

C. (Conference Hall)

Bill of Materials for Conference Hall:

Note: Kindly refer '2) Technical Specifications for the equipment in the Conference Hall.' for this bill of materials

Sr. No.	Description	Qty	UoM	Unit Price	Tax in %	Total with Tax
1	98 Inch Interactive Display with OPS Preferred Makes: Wall Mount for Interactive Display	1	Qty			
2	Wireless Keyboard & Mouse with Spotlight Pointer Preferred Makes: Logitech/Lenovo/Dell	1	Qty			
3	4K PTZ 12x Optical zoom Speaker Tracking Camera	1	Qty			
4	USB Switcher and Hub	1	Qty			
5	Bulk Cables and Connectors	1	Lot			
6	Installation, Commission and Training	1	Lot			
	TOTAL (C)					

	Total price	Tax	Total with Taxes
Total (A + B + C)			
Total Amount in Rupees:			

Date:

Sign & Stamp

Annexure - A

FORMAT OF UNDERTAKING, TO BE FURNISHED ON COMPANY LETTER HEAD WITH REGARD TO
BLACKLISTING/ NON- DEBARMENT, BY ORGANISATION UNDERTAKING REGARDING BLACKLISTING/
NON – DEBARMENT

To,
The Registrar
Indira Gandhi Institute of Development Research
Film City Road, Santosh Nagar,
Goregaon (East),
Mumbai – 400 065.

We hereby confirm and declare that we, M/s -----, is not blacklisted/
De-registered/ debarred by any Government department/ Public Sector Undertaking/ Private Sector/
or any other agency for which we have Executed/ Undertaken the works/ Services during the last 5
years.

For M/s _____

Authorized Signatory

Date:

Annexure - B

FORMAT FOR PERFORMANCE BANK GUARANTEE (PBG)

(To be typed on non-judicial stamp paper of the value of Indian Rupees of One Hundred)

(TO BE ESTABLISHED THROUGH ANY OF THE NATIONALISED COMMERCIAL BANKS (WHETHER SITUATED AT Mumbai OR OUTSTATION) WITH A CLAUSE TO ENFORCE THE SAME ON THEIR LOCAL BRANCH AT Mumbai)

To, The Registrar,

Indira Gandhi Institute of Development Research,

Goregaon East, Mumbai-400065

LETTER OF GUARANTEE

WHEREAS for Indira Gandhi Institute of Development Research (IGIDR), Goregaon East, Mumbai-400065 (Buyer) has invited tender vide Tender NIT ... dated, for xxxxxxxxxx Indira Gandhi Institute of Development Research, Goregaon East, Mumbai-400065

AND WHEREAS the said tender document requires that eligible successful bidder (seller) wishing to supply the Item(s) etc. in response thereto shall establish an irrevocable Performance Bank Guarantee in favour of Indira Gandhi Institute of Development Research, Goregaon East, Mumbai-400065” in the form of Bank Guarantee for Rs (--% of the contract value) and the Performance Bank Guarantee shall remain valid for a period of 60 (sixty) days beyond the date of completion of all contractual obligations of the seller, including warranty and AMC obligations from the date of issue of Performance Bank Guarantee and the eligible successful bidder (the seller) shall submit the same within 15 (Fifteen) days from the date of Award of Contract. NOW THIS BANK HEREBY GUARANTEES that in the event of the said bidder (seller) fails to abide by any of the conditions referred to in the tender document / Award of Contract/performance of the equipment/machinery, etc. this Bank shall pay to Indira Gandhi Institute of Development Research, Goregaon East, Mumbai-400065 on demand and without protest or demur Rs..... (Rupees)

This Bank further agrees that the decision of IGIDR (Buyer) as to whether the said bidder (Seller) has committed a breach of any of the conditions referred in tender document / Award of Contract shall be final and binding.

We, (Name of the Bank & branch) hereby further agree that the Guarantee herein contained shall not be affected by any change in the constitution of the bidder (Seller) and/ IGIDR (Buyer).

Notwithstanding anything contained herein:

1. Our liability under this Bank Guarantee shall not exceed Rs. (Indian Rupees only).
2. This Bank Guarantee shall be valid up to (date) and
3. We are liable to pay the guaranteed amount or any part thereof under this bank guarantee only and only if IGIDR serve upon us a written claim or demand on or before.....(date). This Bank further agrees that the claims if any, against this Bank Guarantee shall be enforceable at our branch office at situated at..... (Address of local branch).

Yours Truly,

Signature and seal of the guarantor:

Name of Bank:

Address

Annexure – C

Sr. No.	Item	Information to be filled by Bidder
1	Name of the bidder	
2.	Address	
2	Telephone Number: Office: Mobile Number of contact person/account manager Fax No. E-Mail address-	
3	Details of Registration (number & date)	
4	Month and Year in which the firm/company was formed/ incorporated.	
5	Type of organization (Sole Proprietor, Partnership, Pvt. Ltd., Public Ltd., etc.)	
6	Enclose copy of the partnership deed, Articles of Association, or Affidavit (in case of firm)	
7	Average Annual Turnover of Last Three Financial Year (attached audited balance sheet & profit & Loss account)	FY 2023-24..... FY 2022-23..... FY 2021-22.....
8	NEFT BANK DETAILS	

Annexure – D

S.No	Evaluation Parameters	Marks Scored	Maximum Marks scored
1	Standing of the Company		
	15 Years and Above	10	
	Between 10 to 15 Years	8	
	Between 5 to 10 Years	5	
2	Average Annual Turnover of the Company (Last 3-Years)		
	>= 20 Cr	10	
	>=15 < 20 Cr	7	
	>=10 < 15 Cr	5	
3	The Bidder should have experience and expertise in Supply, Installation, Testing & Commissioning of Educational Audio-Video System from Public or Private Sector or Educational institute.	5	
4	More than Three assignments in implementing Educational Audio-Video System	10	
5	ISO Certifications	5	
6	The Bidder should have AVIXA Membership	5	
7	CTS-D/CTS-I certified employee working on payroll of the bidder for at-least last 3 years	10	
	CTS certified employee working on the payroll of the bidder for at-least last 1 years	5	
8	In-house AV programmer	5	
9	Presentation and evaluation of the solution for the entire project & Technical proposal as per the RFP requirements	40	
	Total Points		100

ELIGIBILITY CRITERIA for – Minimum 70 Marks

Selection of bidder shall be done on the basis of 60% technical weightage and 40 % of financial weightage.

Note:

1. Bidders getting less than 70% in the technical score will not be considered for opening the price bid.
2. Bidders getting the highest technical score will be considered 60, and the scores of others will be adjusted on a pro-rata basis.

This will become technical score = X e.g. X = Technical Score of a bidder = (Marks obtained by the bidder x 60) / Marks obtained by highest scorer
 Price Bid Score. The Lowest Rates quoted by a Bidder will be given a score of 40 (LMR) For calculating the score of other bidders following formula will be used
 Y = Price bid Score of a bidder = 40 x (Lowest Rates quoted LMR) / Price quoted by the bidder
 Total Score of a bidder out of 100 = X + Y

The bidder getting the highest composite techno-commercial score (X+Y) will be considered for the award of the contract.

Annexure – E

Checklist of Documents to be submitted. (Please attach the following documents only and save the tree)

1. EMD (DD/FD/BG/UTR details in case of NEFT) or copy of MSME certificate.
2. Offer letter in your company letterhead with stamp and sign.
3. Copy of Registration of Firm Certificate of Incorporation of company or Partnership deed.
4. Copy of Registration of Goods & Service Tax and PAN.
5. Copy of last 3 years audited balance sheet and profit loss account only OR CA Certificate for the previous three years.
6. OEM certificate/ authorization letter related to the tender for the Equipment specified.
7. Reference Purchase order / Work order copy of clients for similar work as per PQ.
8. Declaration certificate (not blacklisted) as per Annexure – A.
9. Technical bid documents with stamp and sign, product data sheets.
10. Financial bid on company letterhead with stamp and sign enclosed in separate Email/envelope as per general instruction in tender.
11. Signed copy of Tender document